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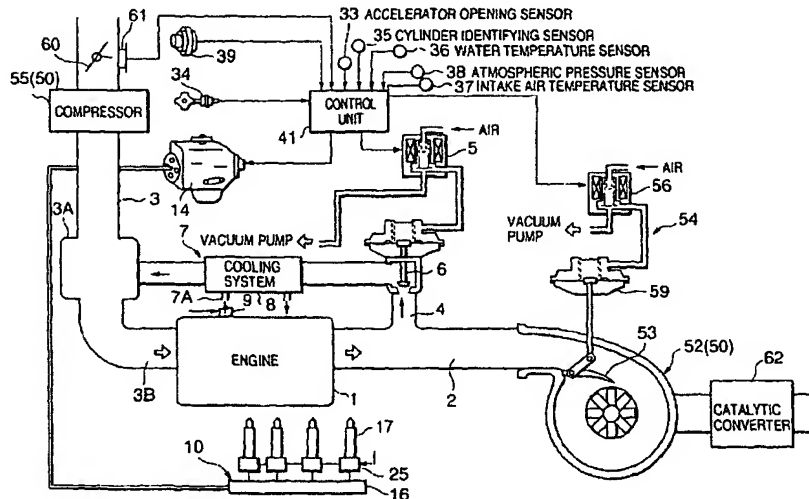
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(54) Title: CONTROL OF TURBOCHARGER



(57) Abstract: A fresh air amount of an engine (1) is controlled by a variable nozzle (53) of a turbocharger (50). A controller (41) calculates an open loop control value of a drive signal of a variable nozzle (53) based on the running state of the engine (1). A target intake fresh air amount of the engine (1) is calculated based on the running state, and a processing value obtained by smoothing the target intake fresh air amount value is calculated (S132). A feedback control value of the drive signal is calculated so that a real intake fresh air amount coincides with the processing value (S367). The variable nozzle (53) is controlled based on the open loop value and feedback control value. By using the processing value as the target value of the feedback control, unstable factors in feedback control resulting from the time delay from operation of the variable nozzle (53) to change of the intake fresh air amount aspirated by the engine (1), are eliminated.